

## ANALYTICA CHIMICA ACTA, VOL. 217 (1989)

## AUTHOR INDEX

Ahlgrén, M., see Smolander, K. 353

Alak, A.M.

- , Contolini, N. and Vo-Dinh, T. Studies of cyclodextrin-enhanced room-temperature phosphorescence 171

Alder, J.F., see Thomas, C.L.P. 289

Alfthan, K.

- , Kenttämaa, H. and Zukale, T. Characterization and semiquantitative estimation of organophosphorus compounds based on inhibition of cholinesterases 43

Andrade, J.F., de, see de Andrade, J.F. 187

Bütschi, A., see Lüdi, H. 359

Brooks, R.R.

- , Hoashi, M., Wilson, S.M. and Zhang, R.-Q. Extraction into methyl isobutyl ketone of metal complexes with ammonium pyrrolidine dithiocarbamate formed in strongly acidic media 165

Buck, C.F., see Wythoff, B.J. 203

Burns, D.T.

- , Chimpalee, N. and Harriott, M. Flow-injection extraction-spectrophotometric determination of perchlorate with Brilliant Green 177

Burns, D.T.

- , Chimpalee, N., Harriott, M. and McKillen, G.M. Flow-injection extraction-spectrophotometric determination of permanganate with the ethylene-bis(triphenylphosphonium) cation 183

Cano Pavon, J.M., see Garcia de Torres, A. 363

Chakrabarti, A.K., see Garcia de Torres, A. 363

Chau, L.-K.

- , Pruski, M. and Porter, M.D. Calcichrome: A re-examination of its structure and chemical properties by solid- and liquid-state NMR, infrared spectroscopy, and selective chemical degradation 31

Chimpalee, N., see Burns, D.T. 177,183

Contolini, N., see Alak, A.M. 171

Cook, R.L.

- , Macduff, R.C. and Sammells, A.F. Organophosphine transition metal complexes as selective surfaces for the reversible detection of sulfur dioxide with piezoelectric crystal sensors 101

De Andrade, J.F.

- , Suleiman, A.S. and Guilbault, G.G. A coated piezoelectric crystal detector for the determination of hydrogen sulfide 187

De Groot, G.

- , Tepas, B.C.A. and Storm, G. A fast, sensitive determination of doxorubicin in rat plasma by solid-phase extraction and reversed-phase ion-pair chromatography 149

Dossi, C.

- and Fusi, A. Temperature programmed decomposition studies: high-sensitivity determination of carbon monoxide, carbon dioxide and methane by gas chromatography 197

Ebdon, L., see Jones P. 157

Emerenciano, V. de P., see Gastmans, J.P. 55

Farinotti, R., see Tod, M. 11

Frankenberger, Jr., W.T., see Mehra, H.C. 383

Fujita, Y., see Katsu, T. 193

Fukasawa, T., see Zhang, C. 23

Fusi, A., see Dossi, C. 197

Garcia de Torres, A.

- , Chakrabarti, A.K., Ureña Pozo, E. and Cano Pavon, J.M. Sensitive spectrofluorimetric determination of zinc at ultra-trace levels 363

Gastmans, J.P.

- , Zurita, J.C., Sahao, Jr., J. and Emerenciano, V. de P. Prévision des spectres de résonance magnétique nucléaire de  $^{13}\text{C}$  par intelli-

gence artificielle: le problème de la codification 85

Gaury, I., see Tod, M. 11

Ghaemmaghami, V., see Rajaković, L. 111

Golden, T., see Wang J. 343

Gonzalez-Robledo, D.

- , Silva, M. and Perez-Bendito, D.
- Performance of the stopped-flow technique in chemiluminescence spectrometry based on direct rate measurements 239

Grant, C.L., see Zhang, Y. 217

Groot, G., de, see de Groot, G. 149

Guilbault, G.G., see De Andrade, J.F. 187

Hai-Lin, G.

- , John, R., Wallace, G.G., Meaney, M., Smyth, M.R. and Leonard, R.G.
- Differential pulse voltammetric study of a typical anaerobic adhesive formulation coated on a glassy carbon electrode 335

Harriott, M., see Burns, D.T. 177, 183

Hechler, J.-J., see Noël, D. 135

Hirota, T., see Katsu, T. 193

Hoashi, M., see Brooks, R.R. 165

Holthuis, J.J.M., see Steijger, O.M. 229

Hosokawa, K., see Takahashi, Y. 61

Inman, S.M.

- , Stromvall, E.J. and Lieberman, S.H.
- Pressurized membrane indicator system for fluorogenic-based fiber-optic chemical sensors 249

Jacobsen, A.

- , Lund, W. and Jacobsen, E.
- Stability of iron(III) complexes used as contrast agents in magnetic resonance imaging 391

Jacobsen, E., see Jacobsen, A. 391

Jimbo, K., see Matsuoka, H. 281

John, R., see Hai-Lin, G. 335

Johnson, E.T.

- and Mitchell, J.W.
- Determination of thermally labile oxygen in high-temperature superconducting ceramics by metastable transfer emission spectrometry 53

Jones, P.

- , Williams, T. and Ebdon, L.
- Determination of cobalt at picogram levels by high-performance liquid chromatography with chemiluminescence detection 157

Karube, I., see Muramatsu, H. 321

Katsu, T.

- , Kuroko, M., Hirota, T. and Fujita, Y.
- Determination of phosphatidylcholine in serum with use of a choline-sensitive membrane electrode 193

Kawakubo, S., see Zhang, C. 23

Kenttämäa, H., see Alftan, K. 43

Kuroko, M., see Katsu, T. 193

Leonard, R.G., see Hai-Lin, G. 335

Lieberman, S.H., see Inman, S.M. 249

Lüdi, H.

- and Bärtschi, A.
- Flow-injection determination of proteins based on the Lowry spectrophotometric method 359

Lund, W., see Jacobsen, A. 391

Macduff, R.C., see Cook R.L. 101

Mahuzier, G., see Tod, M. 11

Mastbergen, H.M., van, see van Mastbergen, H.M. 229

Matsuoka, H.

- , Muta, A., Takekawa, Y. and Jimbo, K.
- Immunoanalyser for *Candida albicans* based on the human olfactory function 281

McKillen, G.M., see Burns, D.T. 183

Meaney, M., see Hai-Lin, G. 335

Mehra, H.C.

- and Frankenberger, Jr., W.T.
- Determination of tungstate in soils and sludges by using single-column ion chromatography 383

Meyerhoff, M.E., see Pranitis, D.M. 123

Mitchell, J.W., see Johnson, E.T. 53

Mizuno, T., see Ohta, K. 377

Mo, Z.-H., see Yao, S.-Z. 327

Muramatsu, H.

- , Tamiya, E., Suzuki, M. and Karube, I.
- Quartz-crystal gelation detector for the determination of fibrinogen concentration 321

Muta, A., see Matsuoka, H. 281

Nakagama, T.

- , Yamada, M. and Suzuki, S.
- Screening of chemiluminescent systems for

the determination of some biologically important organic compounds 371

Ni, Z.-M., see Shan, X.-Q. 271

Nie, L.-H., see Yao, S.-Z. 327

Noël, D.

- , Roberge, E. and Hechler, J.-J.
- Single-column ion chromatography of passive monitors for atmospheric pollution 135

Nohta, H., see Umegae, Y. 263

Ohkura, Y., see Umegae, Y. 263

Ohta, K.

- and Mizuno, T.
- Effect of hydrogen on atomic absorption of iron, cobalt and nickel 377

Ozaki, M., see Takahashi, Y. 61

Perez-Bendito, D., see Gonzalez-Robledo, D. 239

Porter, M.D., see Chau, L.-K. 31

Pranitis, D.M.

- , and Meyerhoff, M.E.
- Sulfite-sensitive solvent/polymeric-membrane electrode based on bis(diethyldithiocarbamato)mercury(II) 123

Pruski, M., see Chau, L.-K. 31

Rajaković, L.

- , Ghaemmaghami, V. and Thompson, M.
- Adsorption on film-free and antibody-coated piezoelectric sensors 111

Ridder, C.

- Substitution titration: a new approach to automatic titration. Determination of acidity in precipitation samples 303

Roberge, E., see Noël, D. 135

Saastamoinen, A., see Smolander, K. 353

Sahoo, Jr., J., see Gastmans, J.P. 85

Sammells, A.F., see Cook R.L. 101

Sasaki, S., see Takahashi, Y. 61

Schaffar, B.P.H.

- and Wolfbeis, O.S.
- A calcium-selective optrode based on fluorimetric measurement of membrane potential 1

Seitz, W.R., see Zhang, Y. 217

Shan, X.-Q.

- , Yian, Z. and Ni, Z.-M.
- Determination of beryllium in urine by graphite-furnace atomic absorption spectrometry 271

Silva, M., see Gonzalez-Robledo, D. 239

Silver, G.L.

- Slope estimations at terminal values of three equidistant data 395

Smolander, K.

- , Saastamoinen, A. and Ahlgren, M.
- Determination of talc in geological samples by infrared spectrometry 353

Smyth, M.R., see Hai-Lin, G. 335

Steijger, O.M.

- , van Mastbergen H.M. and Holthuis, J.J.M.
- Chemiluminescence of bis(2,4,6-trichlorophenyl)oxalate in aqueous micellar systems 229

Storm, G., see de Groot, G. 149

Stromvall, E.J., see Inman, S.M. 249

Suleiman, A.S., see De Andrade, J.F. 187

Sundberg, D.C., see Zhang, Y. 217

Suzuki, M., see Muramatsu, H. 321

Suzuki, S., see Nakagama, T. 371

Takahashi, Y.,

- , Hosokawa, K., Yoshida, F., Ozaki, M. and Sasaki, S.
- A new system, TUTORS, for computer-aided molecular design 61

Takekawa, Y., see Matsuoka, H. 281

Tamiya, E., see Muramatsu, H. 321

Tepas, B.C.A., see de Groot, G. 149

Thomas, C.L.P.

- and Alder, J.F.
- Annular denuder tube preconcentrator for nitrobenzene determination by gas chromatography with electron-capture detection 289

Thompson, M., see Rajaković, L. 111

Tod, M.

- , Farinotti, R., Mahuzier, G. and Gaury, I.
- Analytical implications of luminescence parameters in liquid chromatography. Applications to aminocoumarins in the peroxoalate chemiluminescent reaction 11

Tomellini, S.A., see Wythoff, B.J. 203

Umegae, Y.

- , Nohta, H. and Ohkura, Y.
- 1,2-bis(4-methoxyphenyl)ethylenedi-

amine as a fluorogenic reagent for reducing carbohydrates 263

Ureña Pozo, E., see García de Torres, A. 363

Van Mastbergen, H.M., see Steijger, O.M. 229

Vo-Dinh, T., see Alak, A.M. 171

Wallace, G.G., see Hai-Lin, G. 335

Wang, J.  
— and Golden, T.  
Metalloporphyrin chemically modified glassy carbon electrodes as catalytic voltammetric sensors 343

Williams, T., see Jones, P. 157

Wilson, S.M., see Brooks, R.R. 165

Wolfbeis, O.S., see Schaffar, B.P.H. 1

Wythoff, B.J.  
—, Buck, C.F. and Tomellini, S.A.  
Descriptive, interactive computer-assisted interpretation of infrared spectra 203

Yamada, M., see Nakagama, T. 371

Yao, S.-Z.  
—, Nie, L.-H. and Mo, Z.-H.  
Determination of picomolar concentrations of bromide with a piezoelectric detector by catalysis of the permanganate/iodide reaction 327

Yian, Z., see Shan, X.-Q. 271

Yoshida, F., see Takahashi, Y. 61

Zhang, C.  
—, Kawakubo, S. and Fukasawa, T.  
Determination of trace manganese in high-purity titanium, silicon and mineral acids by a flow-injection method based on a catalytic reaction 23

Zhang, R.-Q., see Brooks, R.R. 165

Zhang, Y.  
—, Seitz, W.R., Grant, C.L. and Sundberg, D.C.  
A clear, amine-containing poly(vinyl chloride) membrane for in situ optical detection of 2,4,6-trinitrotoluene 217

Zukale, T., see Alftman, K. 43

Zurita, J.C., see Gastmans, J.P. 85

